



Surveys, Mapping and Geographic Information Systems (GIS), Engineering Division (ED)

Surveys, Mapping and Geographic Information Systems (GIS) provides engineering consulting services for the Corps and its customers.

Mission

The mission of the Surveys, Mapping and GIS is to meet the civil engineering requirements of the Omaha District and the its customers, using sound engineering judgment, and incorporating state-of-the-art technologies in a timely and cost-effective manner.

In-House Survey Engineer Staff

Develop scopes and review of mapping deliverables related to:

- o Topographic mapping; ground and photo-grammetry
- o Global Positioning System (GPS) surveying
- o Boundary surveying
- o Above and below ground utility mapping and database development
- o Structural deformation surveying

In-House Field Quality Assurance Unit

We conduct field verification of topographic maps utilizing state-of-the-art electronic field-to-finish techniques. We also use survey-in point features such as soil boring holes and monitoring wells. GPS surveying includes:

- o Utility location/inventory
- o Land use delineation/inventory
- o Road centerline mapping
- o Point feature positioning

In-House Geographic Information System

We conduct in-house GIS application development using Environmental Remediation Defense Account Intergraph workstations (data and application), and ArcInfo software.

- o Consulting service for hardware, software, and overall system development/purchase
- o Consulting service for application approach
- o Cradle-to-grave GIS application oversight
- o Scope and budget development for contracted services
- o Consulting service for remotely-sensed imagery utilization and acquisition

Indefinite Delivery Type (IDT) Contracts

Multiple professional surveying, Light Detection and Ranging (LIDAR), and Computer-aided Design and Drafting (CADD), orthophotography mapping and GIS firms are maintained on contract. Firms provide expanded field crew capabilities and in-house survey engineering and mapping services.



Relevant • Ready • Responsive • Reliable

US Army Corps
of Engineers®
Omaha District

888-835-5971

www.nwo.usace.army.mil